

91-044339/18 D18 DYNA-25.08.89
 DYNAVAC GMBH 25.08.89-DE-928095 (28.02.91) C14
 Device for treatment of flexible sheet materials - in which surface
 areas of materials e.g. leather sheets are measured by photo
 electric system after each treatment
 C91-028074

D(7-A)

area of the material is made possible in a manner which is
 labour-saving and is not dependent on subjective assess-
 ments.

EMBODIMENT

The equipment includes a receiving station (1), a
 stretching or stretching and drying station (2) and a
 drying station (3), which are located on the upper part (4)
 of a conveyor belt (7). The leather (L) is treated while at
 rest in each of the work stations, and is then transported
 rapidly from one station to the next.

In the stretching station (2) the leather (L) is
 stretched by an expanding membrane (M) to which it is
 pressed by a vacuum while being heated by a heater (9).
 In the drying station (3), heat is applied by a heater (10)
 and vapour is withdrawn by a hood (11).

Cameras (Ic, IIc, IIIc) measure the area of the leather
 (L) as it passes away from each of the work stations (1, 2,
 3). (5pp2027DAHDwgNo1/3).

In a process and appts. for processing flexible sheet
 material, the material treatment sequence includes a spread-
 ing procedure followed by at least one stretching operation,
 and before or after the stretching operation a material
 surface area measurement is carried out. A heat-treatment
 or drying operation may be added to the material spread-
 ing procedure.

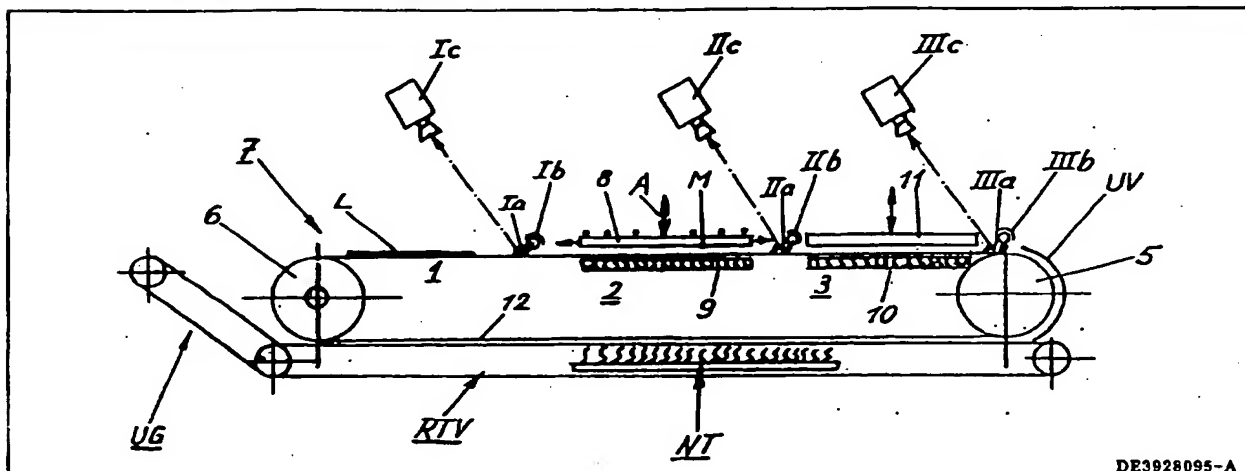
The working processes are carried out while the
 material is essentially at rest, while the area measurements
 are performed while the material is being moved from one
 work process station to the next.

USE/ADVANTAGE

For processing flexible sheet materials such as leather,
 skins etc. which are required to undergo a number of
 successive treatment operations.

A continuous supervision of the variation in surface

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